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OIEP

RAW SEQUENCE LISTING

DATE: 10/30/2001

PATENT APPLICATION: US/09/845,849

TIME: 11:52:21

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\10302001\I845849.raw

4 <110> APPLICANT: THE SALK INSTITUTE FOR BIOLOGICAL STUDIES
 5 WEIGEL, Detlef
 6 KARDAILSKY, Igor
 8 <120> TITLE OF INVENTION: FLOWERING LOCUS T (FT) AND GENETICALLY
 9 MODIFIED PLANTS HAVING MODULATED FLOWER DEVELOPMENT
 12 <130> FILE REFERENCE: SALKINS.026DV1
 14 <140> CURRENT APPLICATION NUMBER: 09/845,849
 C--> 15 <141> CURRENT FILING DATE: 2001-10-12 *OK*
 17 <150> PRIOR APPLICATION NUMBER: 09/060,726
 18 <151> PRIOR FILING DATE: 1998-04-15
 20 <160> NUMBER OF SEQ ID NOS: 13
 22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 856
 26 <212> TYPE: DNA
 27 <213> ORGANISM: Arabidopsis thaliana
 29 <400> SEQUENCE: 1
 30 tctagaacta gtggatcccc cgggctgcag gaattcagca cgaggtttgt tcaagatcaa 60
 31 agatgtctat aaatataaga gaccctctta tagtaagcag agttgttgga gacgttcttg 120
 32 atccgtttta tagatcaatc actctaaagg ttacttatgg ccaaagagag gtgactaatg 180
 33 gcttgatctt aaggccttct caggttcaaa acaagccaag agttgagatt ggtggagaag 240
 34 acctcaggaa cttctatact ttggttatgg tggatccaga tgttccaagt cctagcaacc 300
 35 ctcacctccg agaatatctc cattggttgg tgactgatat ccctgctaca actggaacaa 360
 36 cctttggcaa tgagattgtg tgttacgaaa atccaagtcc cactgcagga attcatcgtg 420
 37 tcgtgtttat attgtttcga cagcttggca ggcaaacagt gtatgcacca ggggtggcgc 480
 38 agaacttcaa cactcgcgag tttgctgaga tctacaatct cggccttccc gtggccgcag 540
 39 ttttctacaa ttgtcagagg gagagtggct gcggaggaag aagactttag atggcttctt 600
 40 cctttataac caattgatat tgcatactct gatgagattt atgcatctat agtattttaa 660
 41 ttaataaacc attttatgat acgagtaacg aacggtgatg atgcctatag tagttcaata 720
 42 tataagtgtg taataaaaaat gagaggggga ggaaaatgag agtggttttac ttatatagtg 780
 43 tgtgatgcga taattatatt aatctacatg aaatgaagtg ttatatattt aaaaaaaaaa 840
 44 aaaaaaaaaa ctcgag 856
 46 <210> SEQ ID NO: 2
 47 <211> LENGTH: 175
 48 <212> TYPE: PRT
 49 <213> ORGANISM: Arabidopsis thaliana
 51 <400> SEQUENCE: 2
 52 Met Ser Ile Asn Ile Arg Asp Pro Leu Ile Val Ser Arg Val Val Gly
 53 1 5 10 15
 54 Asp Val Leu Asp Pro Phe Asn Arg Ser Ile Thr Leu Lys Val Thr Tyr
 55 20 25 30
 56 Gly Gln Arg Glu Val Thr Asn Gly Leu Asp Leu Arg Pro Ser Gln Val
 57 35 40 45
 58 Gln Asn Lys Pro Arg Val Glu Ile Gly Gly Glu Asp Leu Arg Asn Phe
 59 50 55 60
 60 Tyr Thr Leu Val Met Val Asp Pro Asp Val Pro Ser Pro Ser Asn Pro
 61 65 70 75 80

ENTERED

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62 His Leu Arg Glu Tyr Leu His Trp Leu Val Thr Asp Ile Pro Ala Thr
63           85           90           95
64 Thr Gly Thr Thr Phe Gly Asn Glu Ile Val Cys Tyr Glu Asn Pro Ser
65           100          105          110
66 Pro Thr Ala Gly Ile His Arg Val Val Phe Ile Leu Phe Arg Gln Leu
67           115          120          125
68 Gly Arg Gln Thr Val Tyr Ala Pro Gly Trp Arg Gln Asn Phe Asn Thr
69           130          135          140
70 Arg Glu Phe Ala Glu Ile Tyr Asn Leu Gly Leu Pro Val Ala Ala Val
71 145           150          155          160
72 Phe Tyr Asn Cys Gln Arg Glu Ser Gly Cys Gly Gly Arg Arg Leu
73           165          170          175

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76 <210> SEQ ID NO: 3

77 <211> LENGTH: 856

78 <212> TYPE: DNA

79 <213> ORGANISM: Arabidopsis thaliana

81 <400> SEQUENCE: 3

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83 taattatcgc atcacacact atataagtaa aacactctca ttttcctccc cctctcattt 120
84 ttattacaca cttatatatt gaactactat aggcacatc accgttcgtt actcgtatca 180
85 taaaatgggt attaaattaa aatactatag atgcataaat ctcatcagag tatgcaatat 240
86 caattgggta taaaggaaga agccatctaa agtcttcttc ctccgcagcc actctccctc 300
87 tgacaattgt agaaaactgc ggccacggga aggccgagat tgtagatctc agcaaaactcg 360
88 cgagtgttga agttctggcg ccaccctggt gcatacactg tttgcctgcc aagctgtcga 420
89 aacaatataa acacgcacag atgaattcct gcagtgggac ttggattttc gtaacacaca 480
90 atctcattgc caaagggtgt tccagttgta gcagggatat cagtcaccaa ccaatggaga 540
91 tattctcgga ggtgagggtt gctaggactt ggaacatctg gatccaccat aaccaaagta 600
92 tagaagttcc tgaggtcttc tccaccaatc tcaactcttg gcttgttttg aacctgagaa 660
93 ggccttagat ccaagccatt agtcacctct ctttgcccat aagtaacctt tagagtgatt 720
94 gatctattaa acggatcaag aacgtctcca acaactctgc ttactataag agggctcttt 780
95 atatttatag acatctttga tcttgaacaa acctcgtgct gaattcctgc agcccggggg 840
96 atccactagt tctaga                                     856

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98 <210> SEQ ID NO: 4

99 <211> LENGTH: 11

100 <212> TYPE: PRT

101 <213> ORGANISM: Rattus norvegicus

103 <400> SEQUENCE: 4

104 Ala Ala Asp Ile Ser Gln Trp Ala Gly Pro Leu

105 1 5 10

108 <210> SEQ ID NO: 5

109 <211> LENGTH: 112

110 <212> TYPE: PRT

111 <213> ORGANISM: Arabidopsis thaliana

113 <400> SEQUENCE: 5

114 Met Pro Leu Ile Gly Arg Val Val Gly Asp Val Leu Asp Phe Pro Thr

115 1 5 10 15

116 Val Tyr Lys Val Asn Gly Glu Leu Pro Ser Val Lys Pro Arg Val Glu

117 20 25 30

118 Ile Gly Asp Leu Arg Thr Leu Val Met Asp Pro Asp Pro Pro Ser Asp

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119          35          40          45
120 Pro Leu Glu Leu His Trp Val Ile Pro Gly Thr Thr Asp Phe Gly Lys
121          50          55          60
122 Glu Val Tyr Glu Pro Arg Pro Gly Ile His Arg Val Phe Val Leu Phe
123 65          70          75          80
124 Arg Gln Gln Arg Ser Arg Phe Asn Thr Arg Phe Ala Tyr Asp Leu Gly
125          85          90          95
126 Leu Pro Val Ala Val Phe Phe Asn Ala Gln Arg Glu Ala Arg Arg
127          100          105          110
130 <210> SEQ ID NO: 6
131 <211> LENGTH: 8
132 <212> TYPE: PRT
133 <213> ORGANISM: Arabidopsis thaliana
135 <400> SEQUENCE: 6
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137 1          5
140 <210> SEQ ID NO: 7
141 <211> LENGTH: 69
142 <212> TYPE: PRT
143 <213> ORGANISM: Rattus norvegicus
145 <400> SEQUENCE: 7
146 Met Ala Ala Pro Leu Val Pro Leu Val Tyr Gly Val Gly Leu Pro Gln
147 1          5          10          15
148 Val Asn Pro Gly Asp Leu Tyr Thr Leu Val Thr Asp Pro Asp Ala Pro
149          20          25          30
150 Ser Asp Pro Arg Glu Trp His Leu Val Val Gly Asp Ser Gly Tyr Pro
151          35          40          45
152 Pro Gly His Arg Tyr Val Gln Leu Gly Arg Phe Phe Tyr Leu Gly
153          50          55          60
154 Pro Val Ala Phe Ala
155 65
158 <210> SEQ ID NO: 8
159 <211> LENGTH: 106
160 <212> TYPE: PRT
161 <213> ORGANISM: Arabidopsis thaliana
163 <400> SEQUENCE: 8
164 Met Ala Ala Asp Pro Leu Val Gly Arg Val Gly Asp Val Leu Asp Phe
165 1          5          10          15
166 Pro Thr Val Gly Lys Thr Asn Gly Glu Pro Ser Asn Pro Val Ile Gly
167          20          25          30
168 Leu Tyr Thr Leu Val Met Thr Asp Pro Asp Ala Pro Ser Pro Ser Pro
169          35          40          45
170 Arg Glu Trp His Trp Val Val Asp Ile Pro Gly Thr Ser Gly Lys Glu
171          50          55          60
172 Ile Tyr Pro Arg Pro Pro Gly Ile His Arg Tyr Val Leu Phe Arg Gln
173 65          70          75          80
174 Leu Ser Arg Asn Phe Thr Arg Phe Ala Asp Leu Gly Leu Pro Val Ala
175          85          90          95
176 Val Phe Asn Ala Gln Glu Ala Arg Arg Arg

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177          100          105
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181 <211> LENGTH: 11
182 <212> TYPE: PRT
183 <213> ORGANISM: Arabidopsis thaliana
185 <400> SEQUENCE: 9
186 Glu Asn Met Gly Thr Arg Val Ile Glu Pro Leu
187 1          5          10
190 <210> SEQ ID NO: 10
191 <211> LENGTH: 9
192 <212> TYPE: PRT
193 <213> ORGANISM: Antirrhinum majus
195 <400> SEQUENCE: 10
196 Ala Ala Lys Val Ser Ser Asp Pro Leu
197 1          5
200 <210> SEQ ID NO: 11
201 <211> LENGTH: 7
202 <212> TYPE: PRT
203 <213> ORGANISM: Arabidopsis thaliana
205 <400> SEQUENCE: 11
206 Ala Ala Ser Val Asp Pro Leu
207 1          5
210 <210> SEQ ID NO: 12
211 <211> LENGTH: 110
212 <212> TYPE: PRT
213 <213> ORGANISM: Arabidopsis thaliana
215 <400> SEQUENCE: 12
216 Met Asp Pro Leu Ile Val Arg Val Val Gly Asp Val Leu Asp Phe Leu
217 1          5          10          15
218 Val Tyr Gly Val Thr Asn Gly Leu Pro Ser Gln Val Asn Lys Pro Arg
219          20          25          30
220 Val Glu Ile Gly Asp Leu Arg Tyr Thr Leu Val Met Asp Pro Asp Pro
221          35          40          45
222 Ser Pro Ser Pro Leu Arg Glu Leu His Trp Leu Val Asp Ile Pro Thr
223          50          55          60
224 Thr Phe Gly Glu Ile Val Tyr Glu Pro Pro Gly Ile His Arg Val Phe
225 65          70          75          80
226 Leu Phe Arg Gln Arg Gly Arg Asn Phe Asn Thr Arg Phe Ala Tyr Leu
227          85          90          95
228 Gly Leu Pro Val Ala Ala Val Phe Asn Gln Arg Glu Arg Arg
229          100          105          110
232 <210> SEQ ID NO: 13
233 <211> LENGTH: 11
234 <212> TYPE: PRT
235 <213> ORGANISM: Homo sapiens
237 <400> SEQUENCE: 13
238 Pro Val Asp Leu Ser Lys Trp Ser Gly Pro Leu
239 1          5          10

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VERIFICATION SUMMARY

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L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date